

SEQUENCE LISTING

(1) GENERAL INFORMATION:

- (i) APPLICANT: Philip Dan Cook
- (ii) TITLE OF INVENTION: Gapped 2' Modified Olig nuc-
5 leotides
- (iii) NUMBER OF SEQUENCES: 10
- (iv) CORRESPONDENCE ADDRESS:
- (A) ADDRESSEE:
Woodcock Washburn Kurtz Mackiewicz & Norris
- 10 (B) STREET: One Liberty Place - 46th Floor
(C) CITY: Philadelphia
(D) STATE: PA
(E) COUNTRY: USA
(F) ZIP: 19103
- 15 (v) COMPUTER READABLE FORM:
- (A) MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb
STORAGE
- (B) COMPUTER: IBM PS/2
(C) OPERATING SYSTEM: PC-DOS
20 (D) SOFTWARE: WORDPERFECT 5.0
- (vi) CURRENT APPLICATION DATA:
- (A) APPLICATION NUMBER: n/a
(B) FILING DATE: herewith
(C) CLASSIFICATION:
- 25 (vii) PRIOR APPLICATION DATA:
- (A) APPLICATION NUMBER:
(B) FILING DATE:
- (viii) ATTORNEY/AGENT INFORMATION:
- (A) NAME: John W. Caldwell
30 (B) REGISTRATION NUMBER: 28,937
(C) REFERENCE/DOCKET NUMBER: ISIS-0459
- (ix) TELECOMMUNICATION INFORMATION:
- (A) TELEPHONE: (215) 568-3100
(B) TELEFAX: (215) 568-3439
- 35 (2) INFORMATION FOR SEQ ID NO: 1:
- (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 17
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

5 (iv) ANTI-SENSE: yes
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
CCACACCGAC GGCGCCC17

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

10 (A) LENGTH: 17
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(iv) ANTI-SENSE: yes

15 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
CCACACCGAC GGCGCCC17

(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

20 (A) LENGTH: 17
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(iv) ANTI-SENSE: yes

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

25 CCACACCGAC GGCGCCC17

(2) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 17
(B) TYPE: nucleic acid

30 (C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(iv) ANTI-SENSE: yes

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
CCACACCGAC GGCGCCC17

35 (2) INFORMATION FOR SEQ ID NO: 5:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 17
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
5 (iv) ANTI-SENSE: yes
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
CCACACCGAC GGCGCCC17
(2) INFORMATION FOR SEQ ID NO: 6:
(i) SEQUENCE CHARACTERISTICS:
10 (A) LENGTH: 17
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(iv) ANTI-SENSE: yes
15 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
CCACACCGAC GGCGCCC17
(2) INFORMATION FOR SEQ ID NO: 7:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 47
20 (B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(iv) ANTI-SENSE: no
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
25 ACATTATGCT AGCTTTTGA GTAACTTGT GGGGCAGGAG ACCCTGT47
(2) INFORMATION FOR SEQ ID NO: 8:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 29
(B) TYPE: nucleic acid
30 (C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(iv) ANTI-SENSE: no
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
GAGATCTGAA GCTTCTGGAT GGTCAGCGC29
35 (2) INFORMATION FOR SEQ ID NO: 9:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 35

(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(iv) ANTI-SENSE: no
5 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
GAGATCTGAA GCTTGAAGAC GCCAAAAACA TAAAG35
(2) INFORMATION FOR SEQ ID NO: 10:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 33
10 (B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(iv) ANTI-SENSE: no
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
15 ACGCATCTGG CGCGCCGATA CCGTCGACCT CGA33
(2) INFORMATION FOR SEQ ID NO: 11:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 16
(B) TYPE: nucleic acid
20 (C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(iv) ANTI-SENSE: yes
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
GCGTTTTTTTTTTTTCG16
25 (2) INFORMATION FOR SEQ ID NO: 12:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 16
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
30 (D) TOPOLOGY: linear
(iv) ANTI-SENSE: yes
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
CGCAAAAAAAAAACGC16